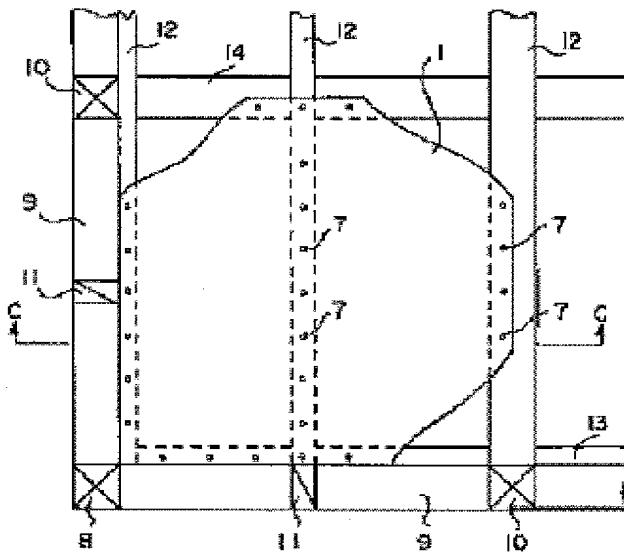


FIBER-REINFORCED MORTAR PANEL, LONG-DURABLE HOUSING BUILDING CONSTRUCTION, WALL BUILDING CONSTRUCTION, AND PANEL FOR SHEATHING ROOF BOARD**Patent number:** JP11256683**Publication date:** 1999-09-21**Inventor:** KAWARAI TOSHIO**Applicant:** MAEDA CONSTRUCTION**Classification:****- international:** E04B1/26; E04C2/04; E04B1/26; E04C2/04; (IPC1-7):
E04B1/26; E04C2/04**- european:****Application number:** JP19980061695 19980312**Priority number(s):** JP19980061695 19980312**Report a data error here****Abstract of JP11256683**

PROBLEM TO BE SOLVED: To provide a fiber-reinforced mortar panel, a sheathing roof board and a housing construction method, by which an increase in the matching durable period of the whole house to be built and an improvement in strength such as an improvement in aseismicity can be attained and a house, in which workability is enhanced in approximately the same manner as a conventional wooden house and cost of which is reduced, is constituted, while providing a wall construction method, by which a bearing wall can be constructed simply. **SOLUTION:** The fiber-reinforced mortar panel 1 with a fiber-reinforced mortar composite plate formed in a tabular shape by mixing fibers having corrosion resistance with mortar containing at least cement and water and reinforcing mortar and batten cleats installed to at least the peripheral section of the rear of the fiber-reinforced mortar composite face material is stuck so as to be stretched over each top face of floor joists 12, pincer beams 13 and cleat materials 14 formed in approximately the same surfaces. The fiber-reinforced mortar panel 1 is clamped and fixed to a floor frame composed of these floor joists 12, pincer beams 13 and cleat materials 14 through clamping nails 7 having corrosion resistance such as screw nails made of stainless steel.



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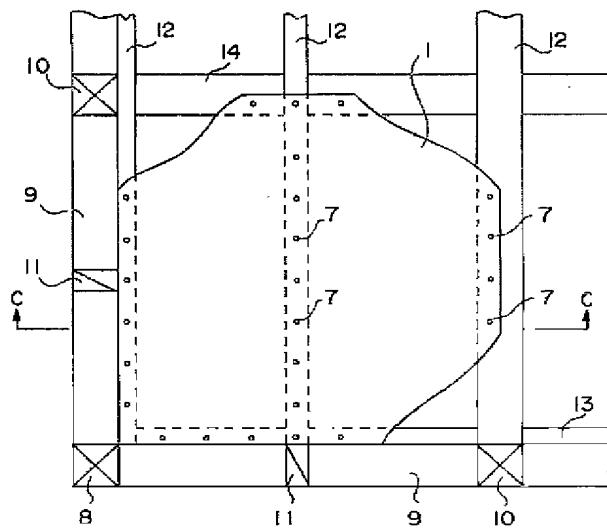
(74)代理人 弁理士 荒船 博司

(54)【発明の名称】 繊維補強モルタルパネル、長耐久性住宅構法、壁構法および床地板用パネル

(57)【要約】

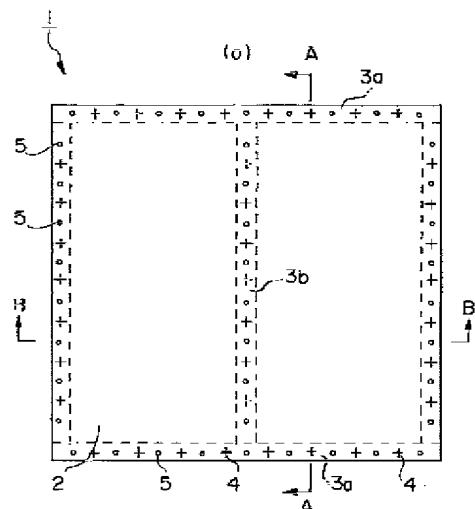
【課題】 本発明の目的は、構築される住宅全体の整合的耐用年数増加、耐震性向上等の強度の向上を図ることができ、しかも、在来の木造住宅とほぼ同様に施工性が良好で安価な住宅を構成する繊維補強モルタルパネル、野地板、住宅工法を提供すること。また、簡易に耐力壁を構築できる壁工法を提供することを目的とする。

【解決手段】 少なくともセメント及び水を含むモルタルに、耐腐性を有する繊維を混入して補強し板状に形成した繊維補強モルタル合成板2と、この繊維補強モルタル合成板材の裏面2bの少なくとも周縁部に取り付けられた桟木3、3aとを有する繊維補強モルタルパネル1を、ほぼ面一に揃えた根太12、添梁13および転び止め材14のそれぞれの上面に渡るように貼着した。この繊維補強モルタルパネル1は、これら根太12、添梁13および転び止め材14によって構成されている床骨組みに、ステンレス製スクリュー釘等の耐腐食性のある締結釘7を介して留め付けて固定されている。



- | | | | |
|------------|-------------|------|---------|
| 2 | 織維補強モルタル合成板 | 22 | 側根太 |
| 2 b | 裏面 | 25 | 止め材 |
| 3 | 桟木 | 26 | 豎枠材 |
| 3 a | 桟木 | 28 | 筋違 |
| 3 b | 補助桟木 | 40 | 横長の面材 |
| 4 | 締結ビス | 40 a | 縦長の面材 |
| 6 | 断熱材 | 42 | 梁 |
| 7 | 締結釘 | 43 a | 豎枠 |
| 8, 20 | 隅柱 | 43 b | 間柱 |
| 9 | 胴差 | 43 | 豎枠 |
| 10 | 管柱 | 44 | 下枠 |
| 11 | 間柱 | 45 | 上枠 |
| 12, 23, 41 | 根太 | 46 | 木製合板 |
| 13 | 添梁 | 50 | 野地板用パネル |
| 14 | 止め材 | 51 | 木製合板 |
| 15 | 土台 | 52 | 面材 |
| 16, 27 | 中間水平材 | 54 | 締結手段 |
| 17, 24 | 添枠 | 60 | 壁部 |
| 21 | 下枠 | | |

【图1】

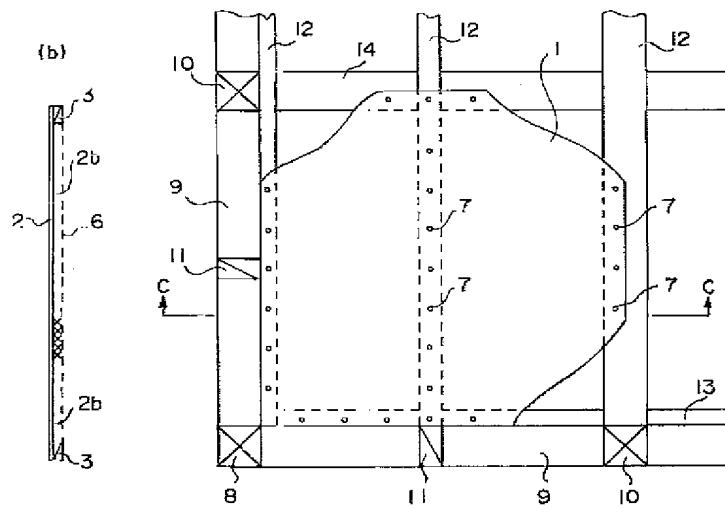


1c)

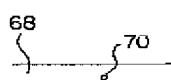


[圖3]

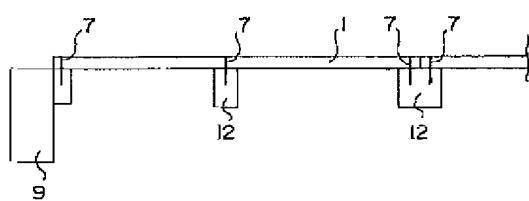
【図2】



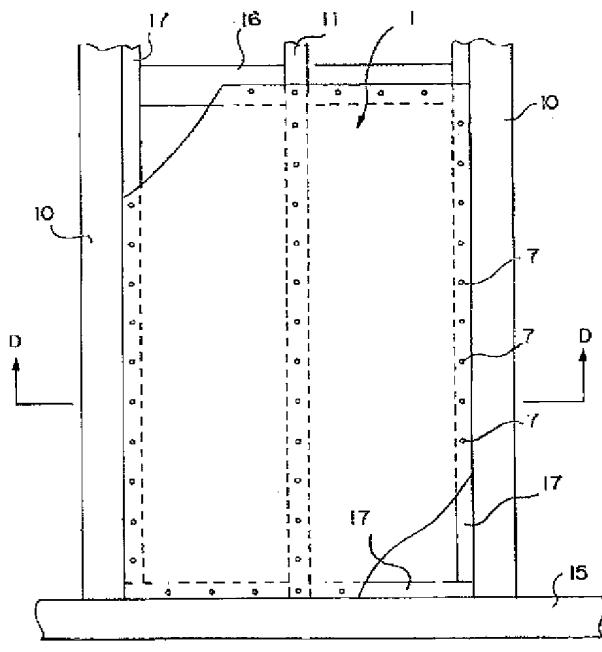
[図1.8]



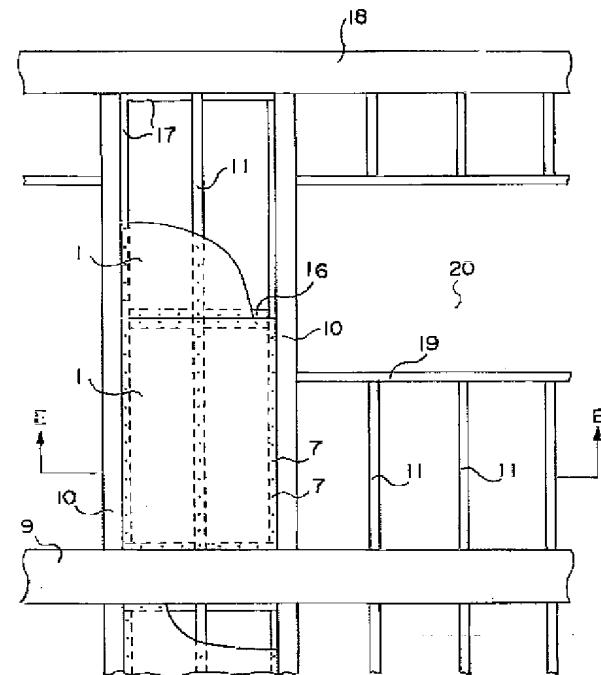
[図5]



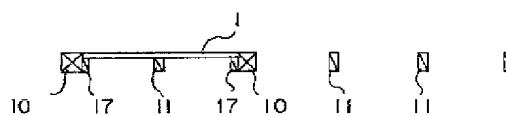
【図4】



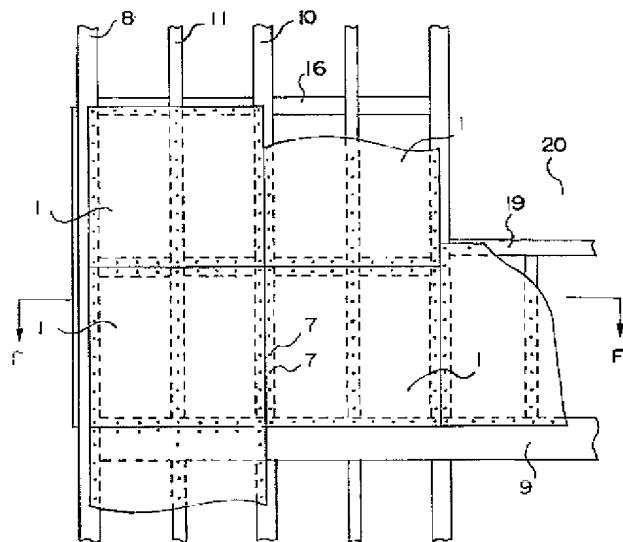
【図6】



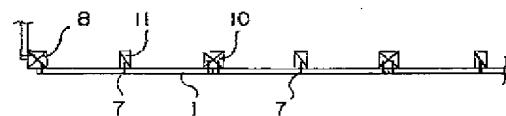
【図7】



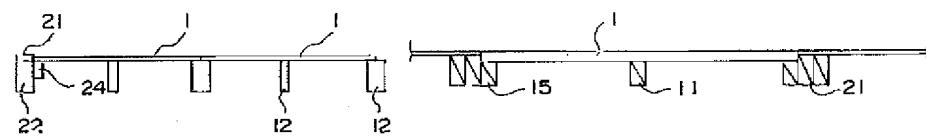
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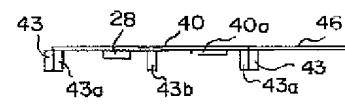
【図9】



【図11】

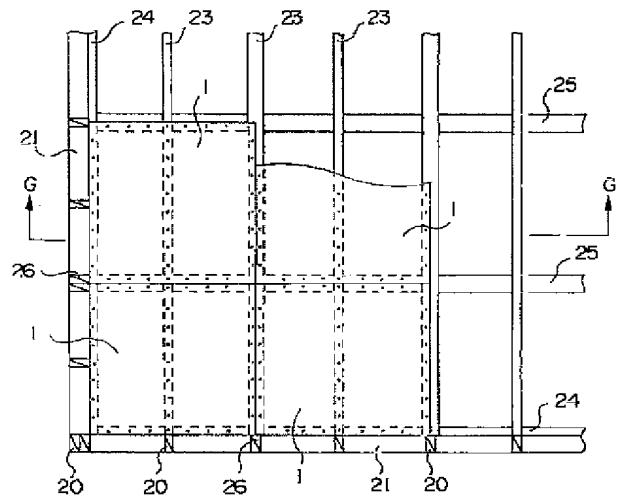


【図13】

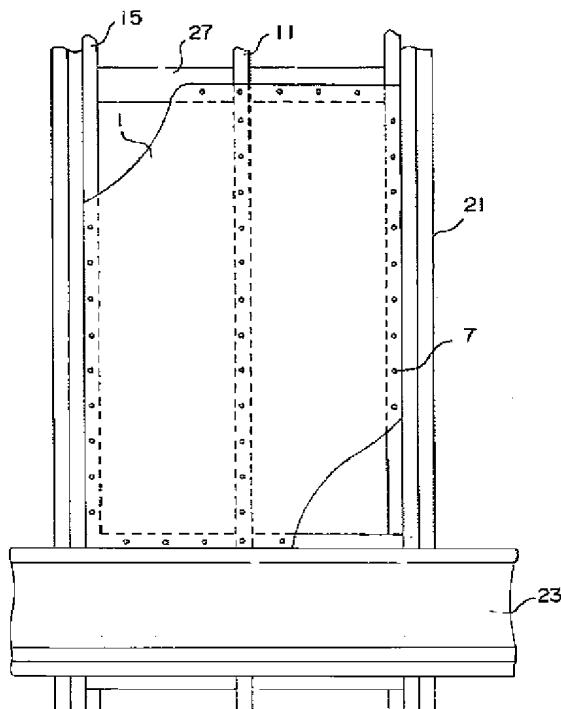


【図15】

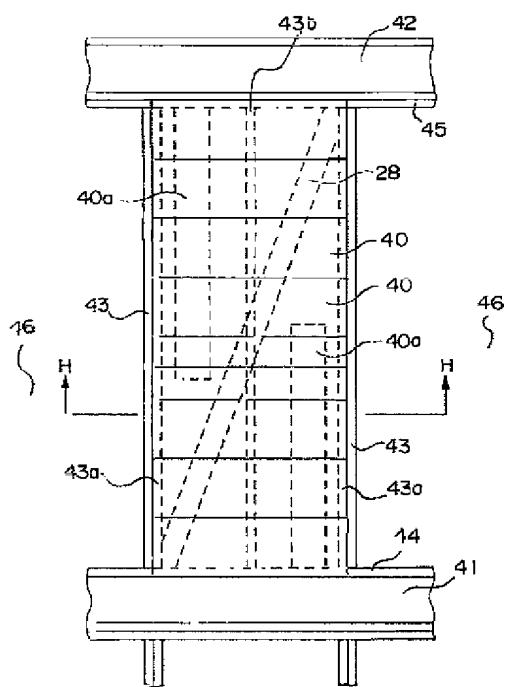
【図10】



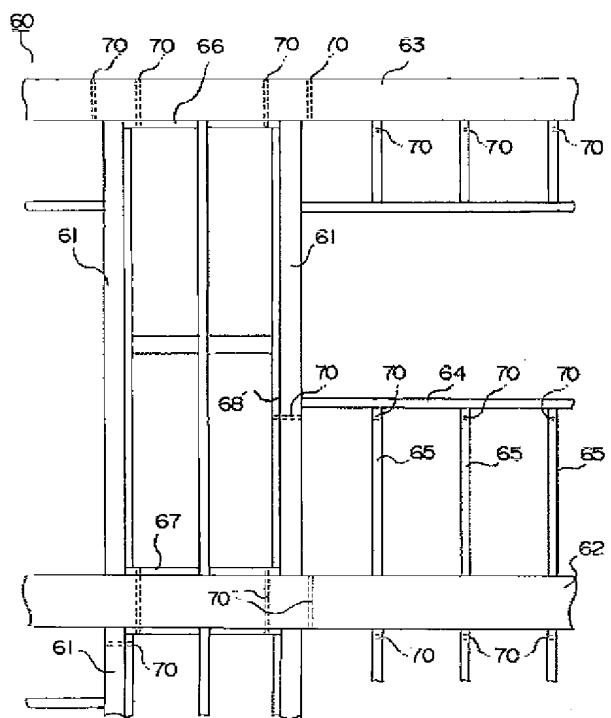
【図12】



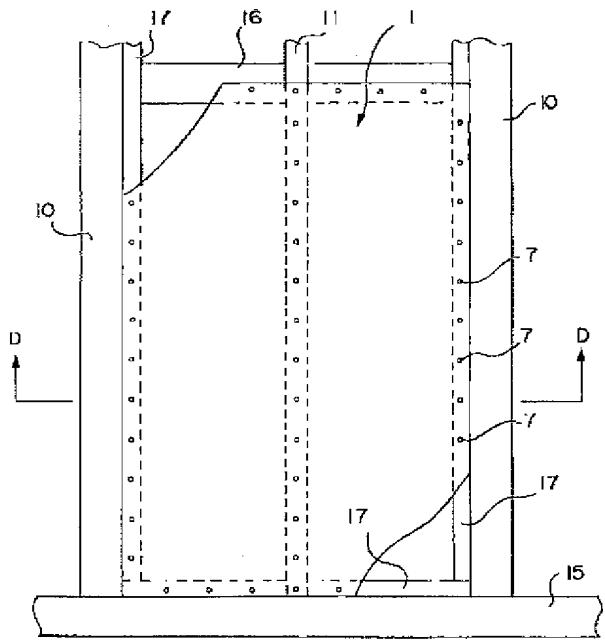
【図14】



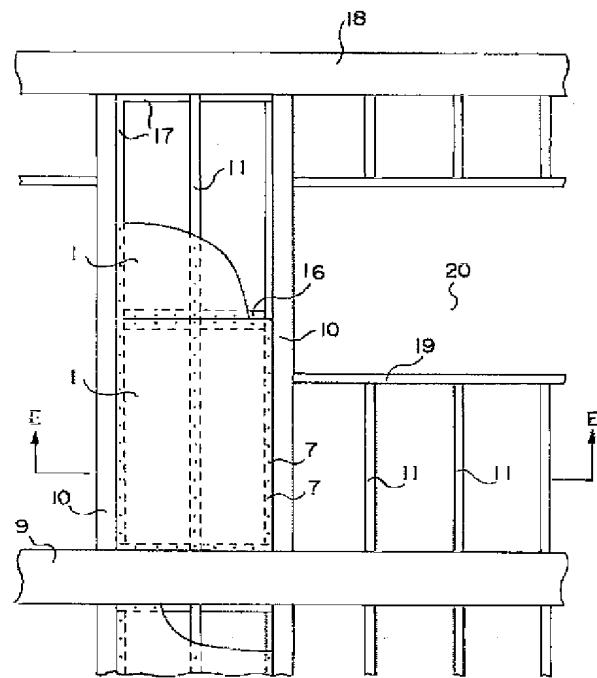
【図17】



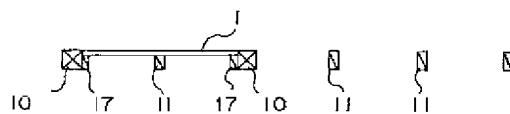
[図4]



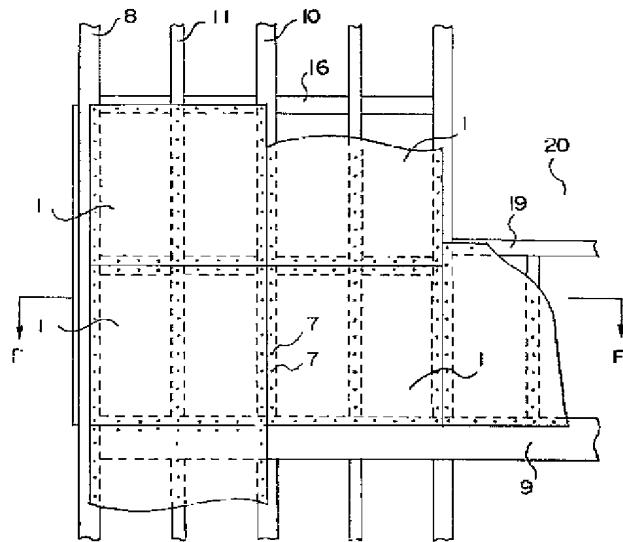
【図6】



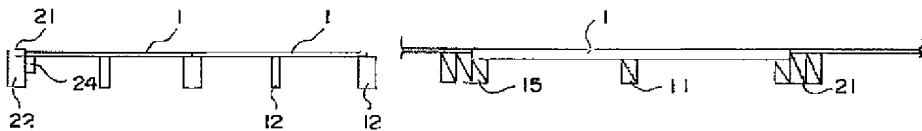
【図7】



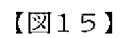
【図9】



【図11】



【図13】



The diagram illustrates a bridge deck assembly. On the left, a standard rectangular deck section is shown, supported by piers labeled 21 and 22. A transition point is indicated by a vertical dashed line. To the right, a tapered deck section is shown, supported by piers labeled 12 and 13. The transition point is marked with a vertical dashed line. The diagram also shows a support structure labeled 15 and a central pier labeled 11. On the far right, another standard deck section is shown, supported by piers labeled 43, 43a, 43b, 43c, 26, 40, 40a, and 46.

【図16】

